IP Camera | IP Survlliance

User's Manual

V_1.0

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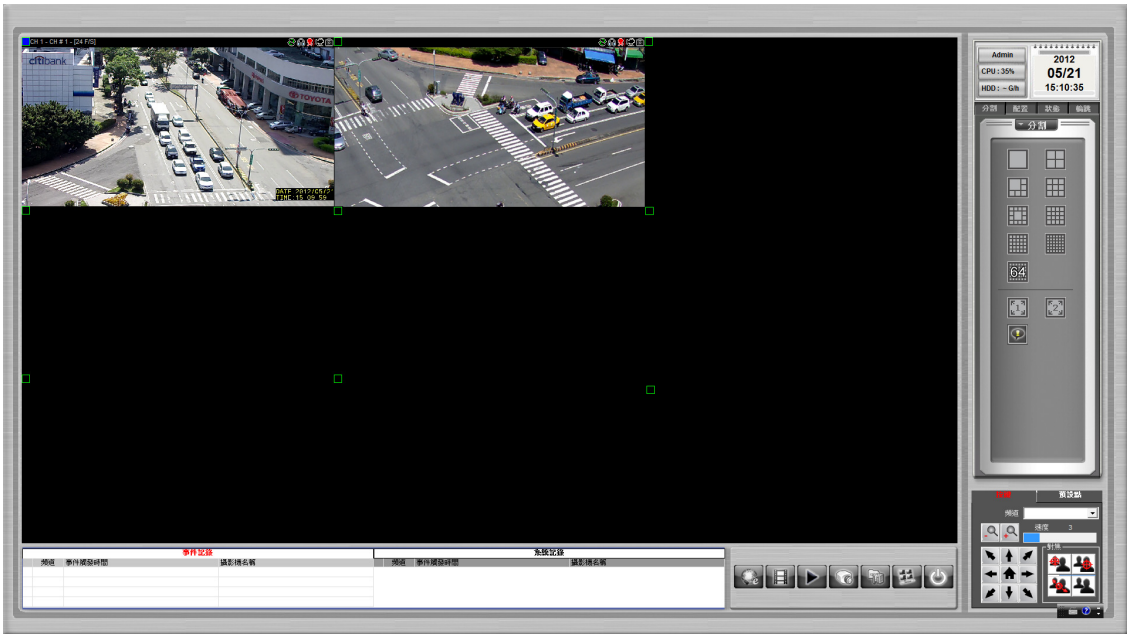
Over View

Features

- 1.3 megapixel CMOS Sensor
- Real-time H.264
- Built-in high sensitive microphone for Box/Bullet series
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- Supports H/W Watchdog

CMS Camera Management Software

You can install CMS on a PC to management your IP Camera, please refer to “CMS User’s Manual-V1.0.pdf”.



Installation

Minimum PC Requirement

- Hardware:

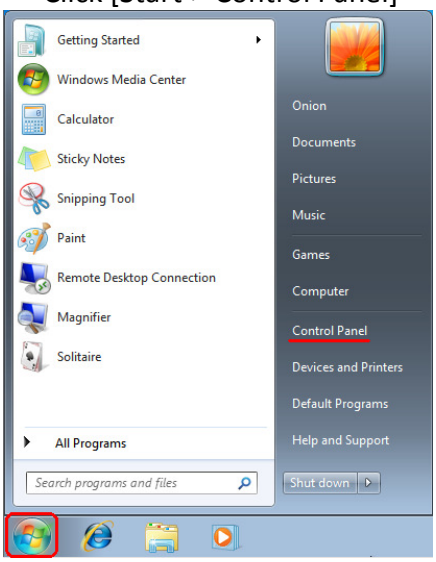
  Intel® Pentium® DUAL Core™
  2 GB system memory or above
  Sound Card: DirectX® 9.0c compatible sound card
  Video Card: 3D hardware accelerator card required – 100% DirectX®9.0c compatible
  Ethernet network port/card

- Software:

  Windows® XP Service Pack 2 or above
  Resolution of screen setting: 1280x960 or higher for the display of 720P

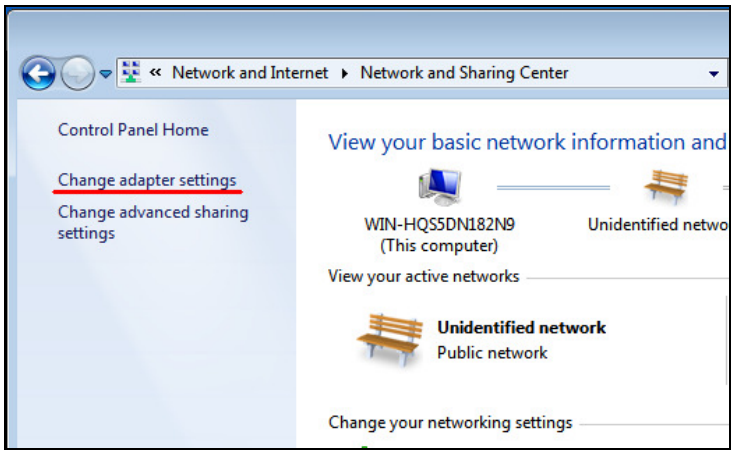
- Change computer's IP address – Please set IP address to be "192.168.0.3".
  (You can also searching IP Camera with IPSearcher, please refer to appendix A)

Click [Start-> Control Panel]

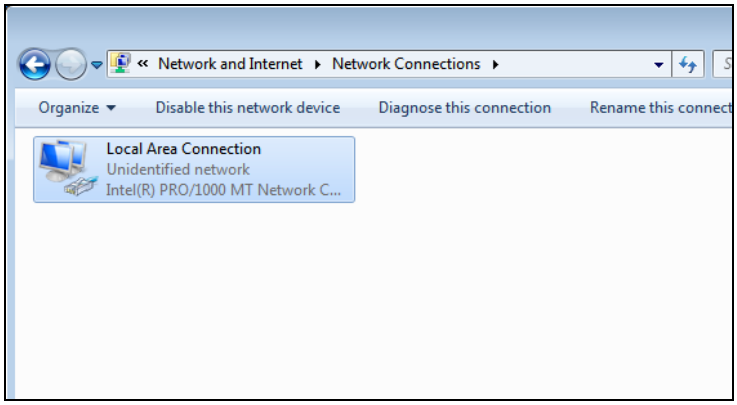


Click [View network status and tasks]

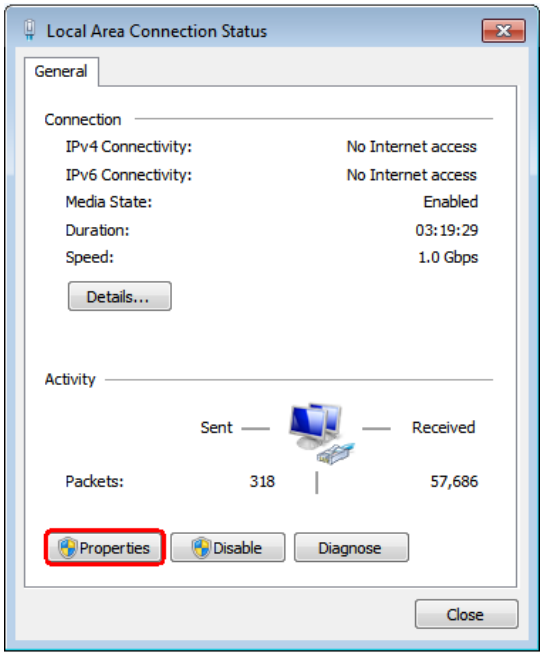
Click [Change adapter settings]



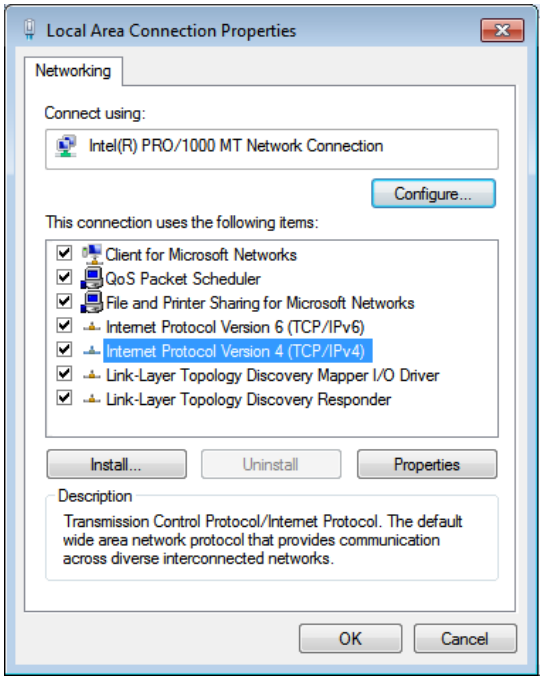
Double Click [Local Area Connection]



Click [Properties]

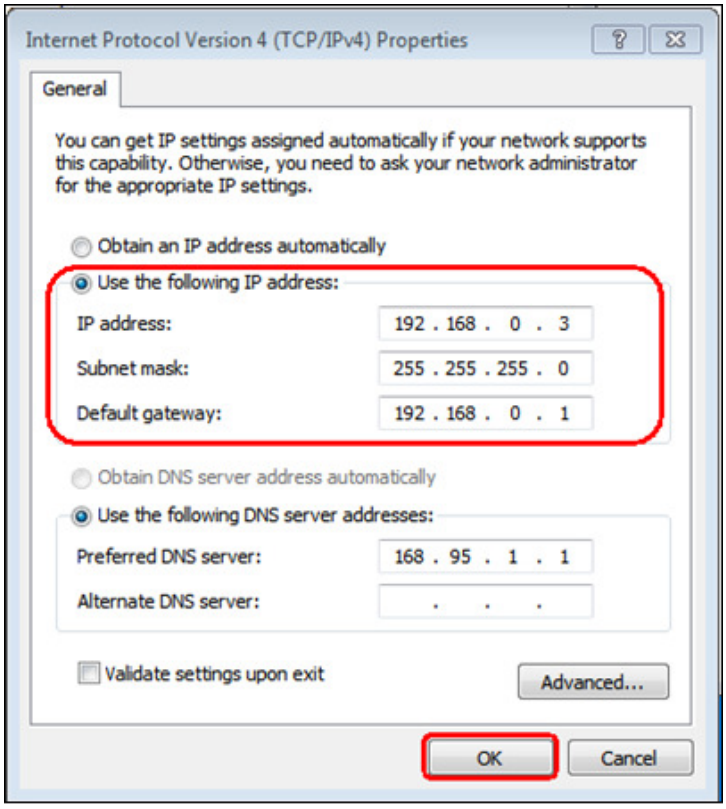


Double click [Internet Protocol Version4(TCP/IPv4)]



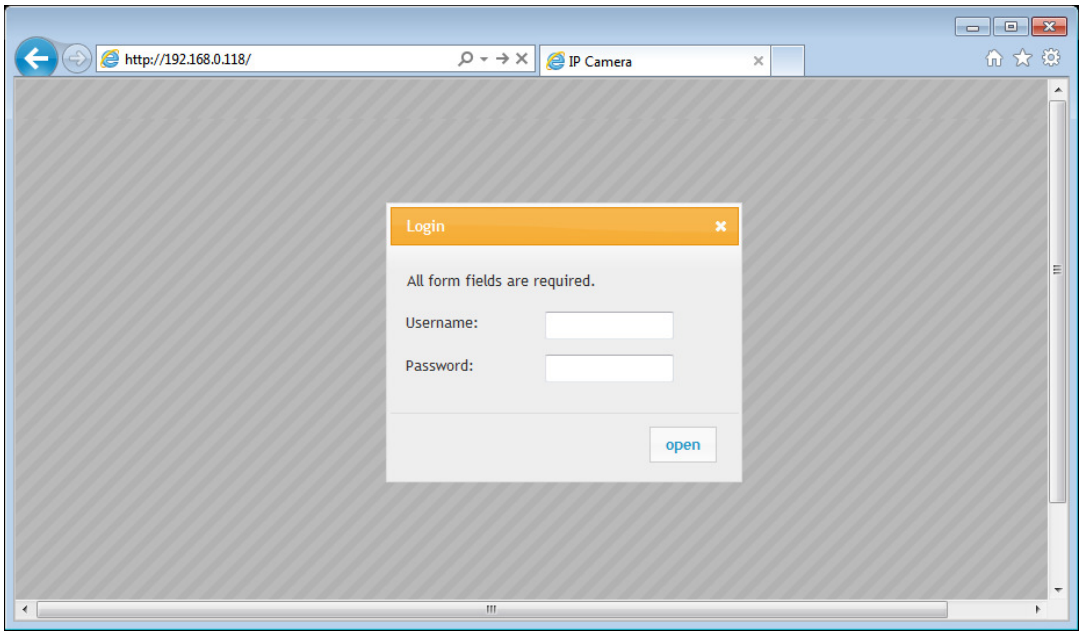
Select [Use the following IP address] and enter IP Address, Subnet mask and Default gateway then press [OK].

■

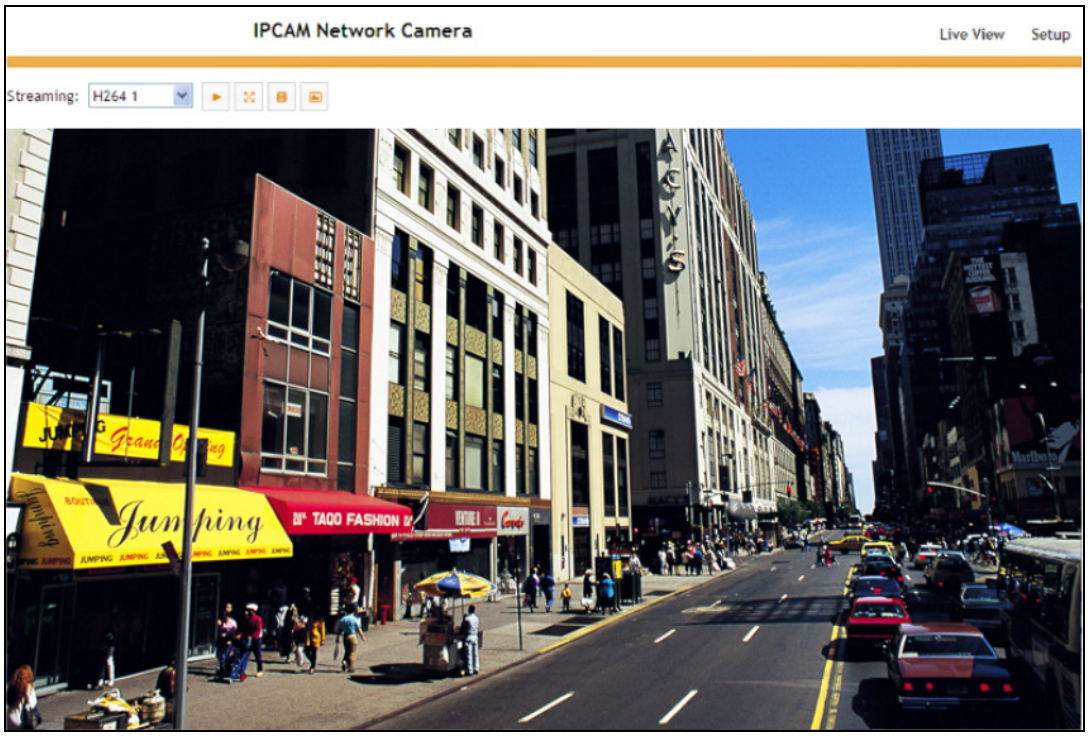

Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 3
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 0 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 168 . 95 . 1 . 1
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

Login IP Camera with a WEB browser

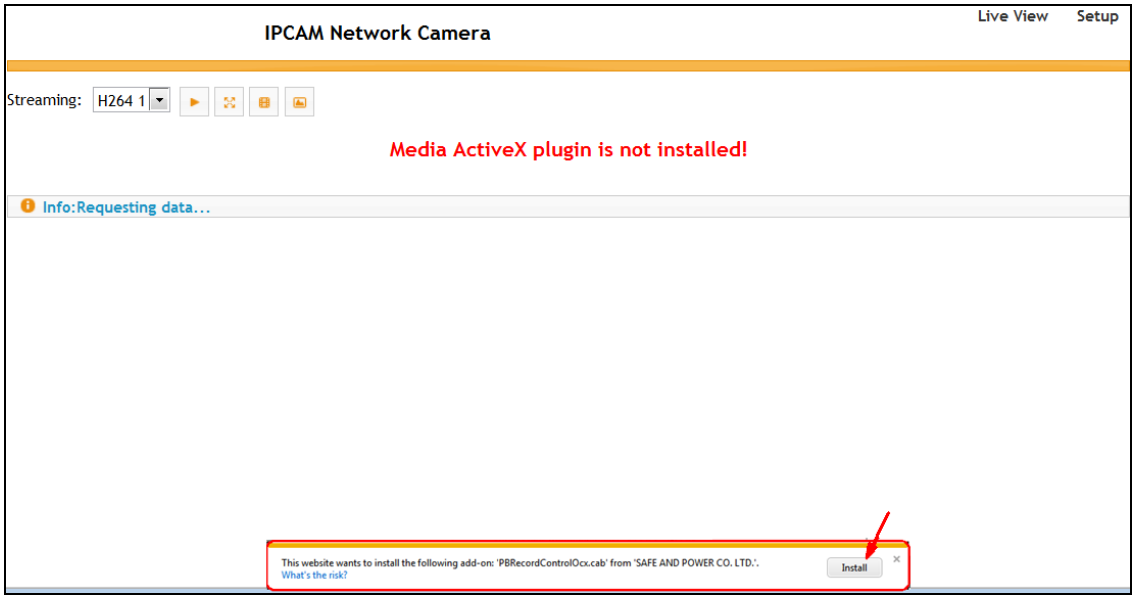
You may visit IPCamera's homepage by IE.
Running a browser and enter IP Camera's IP- 192.168.0.118 in URI.
Default account: admin
Default password: admin

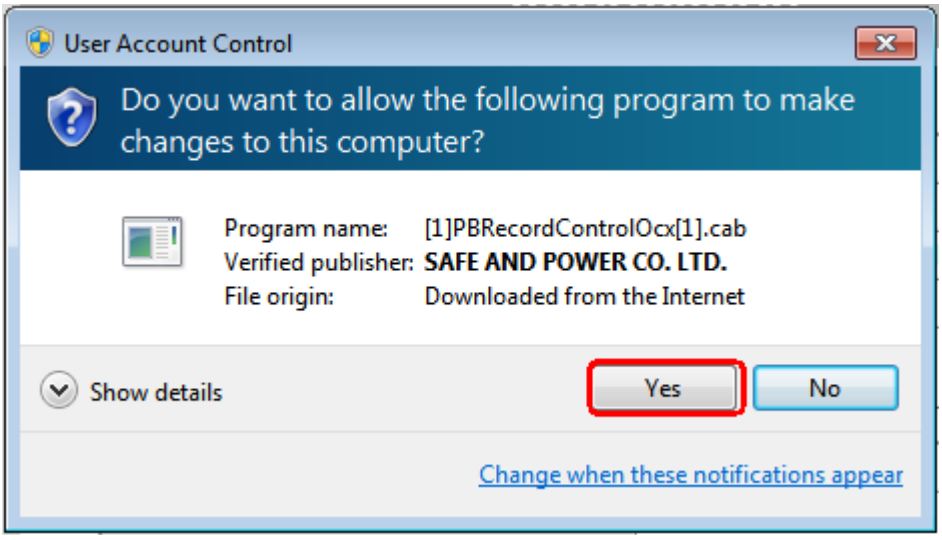


It displays Live Video after you login IP Camera.

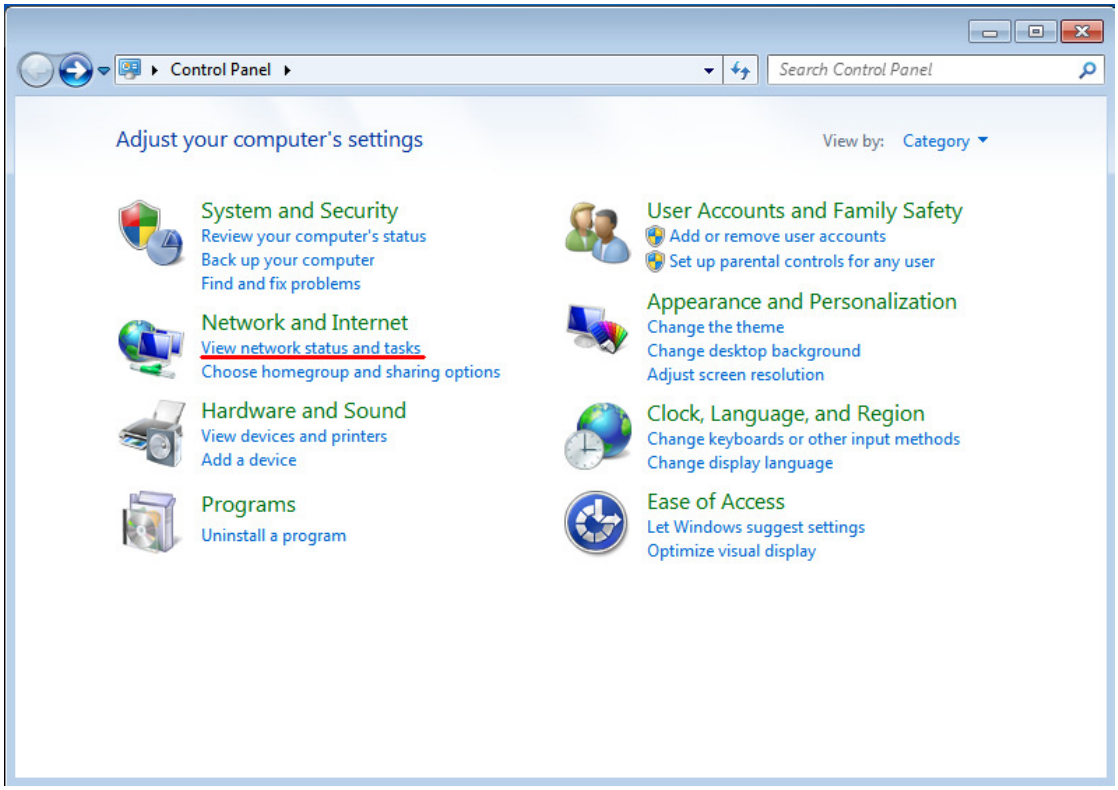


If this is the first time you connect to IPCamera, it will ask you install ActiveX® add-on. If there is no pop-up message, please change security settings for IE.

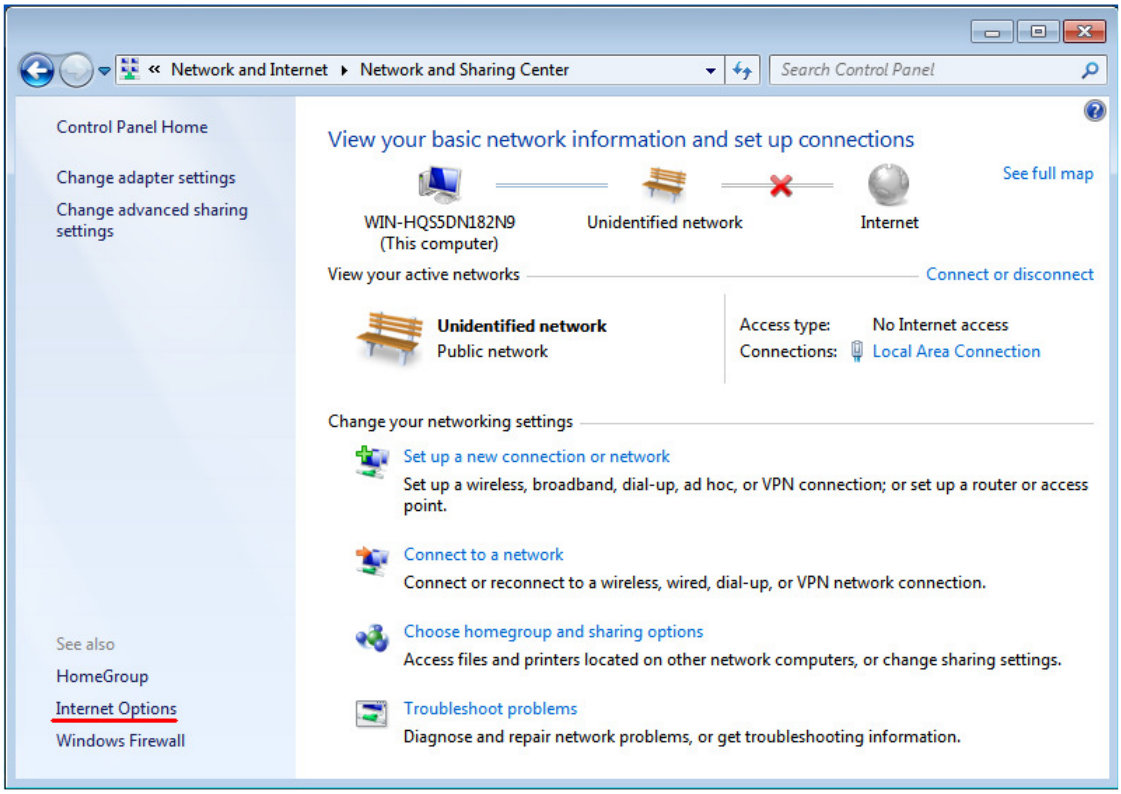



User Account Control
Do you want to allow the following program to make changes to this computer?
Program name: [1]PBRecordControlOcx[1].cab
Verified publisher: SAFE AND POWER CO. LTD.
File origin: Downloaded from the Internet
Show details
Yes
No
Change when these notifications appear

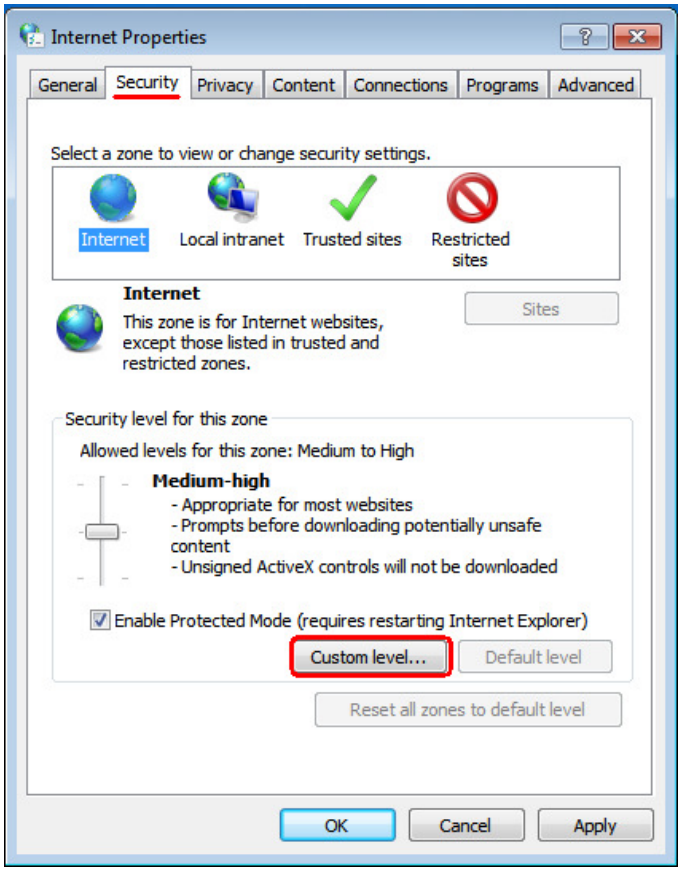
You may need to change security parameter for Live View Player playing video well.
Enter [Control Panel] then click [View network status and tasks].



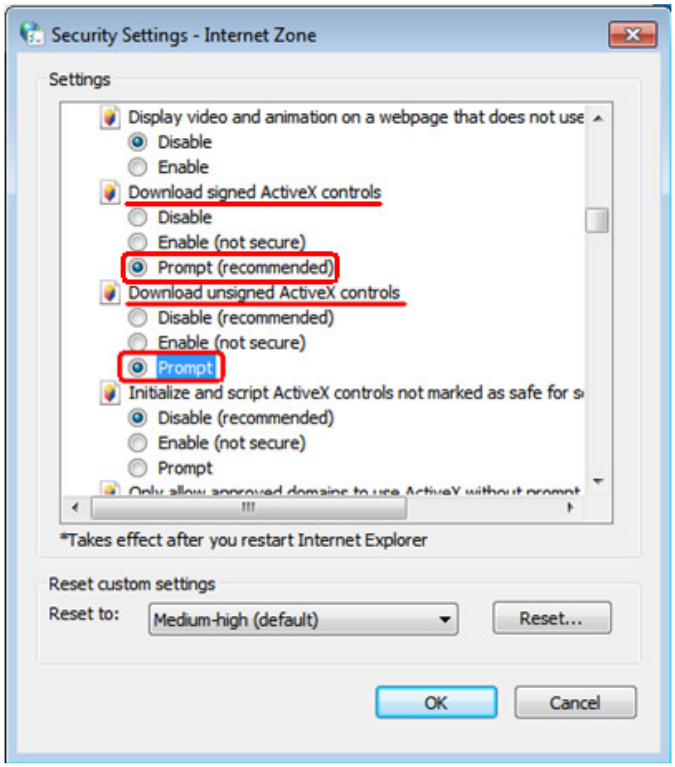
Click [Internet Options].


Network and Internet
Network and Sharing Center
Search Control Panel
Control Panel Home
Change adapter settings
Change advanced sharing settings
View your basic network information and set up connections
See full map
WIN-HQS5DN182N9 (This computer)
Unidentified network
Internet
View your active networks
Connect or disconnect
Unidentified network
Public network
Access type: No Internet access
Connections: Local Area Connection
Change your networking settings
Set up a new connection or network
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
Connect to a network
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
Choose homegroup and sharing options
Access files and printers located on other network computers, or change sharing settings.
Troubleshoot problems
Diagnose and repair network problems, or get troubleshooting information.
See also
HomeGroup
Internet Options
Windows Firewall

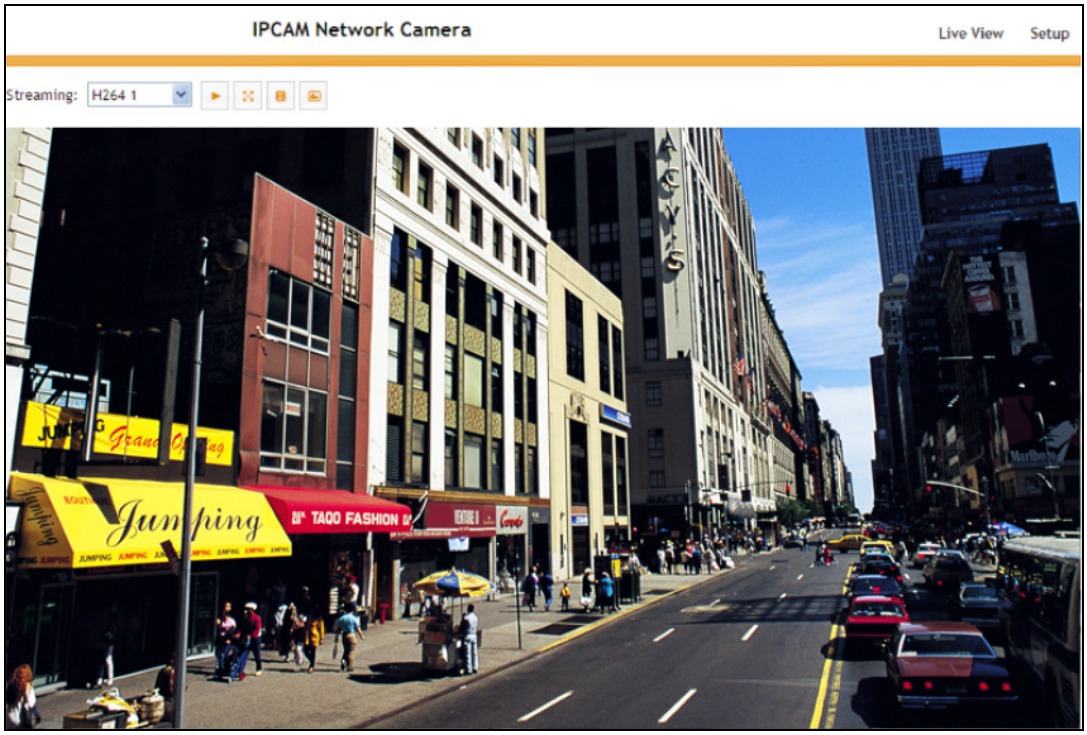
Enter [Security] page then click [Custom level].



Set [Download unsigned ActiveX controls] to be [Prompt].



Live View



Streaming: IP Camera supports dual stream, select a stream type from the drawdown box.

/ **(Play/Stop):** Click to stop or start to play live video.

(Full Screen): Click Full Screen button to display video in full screen, you can also double click on video to change display mode.

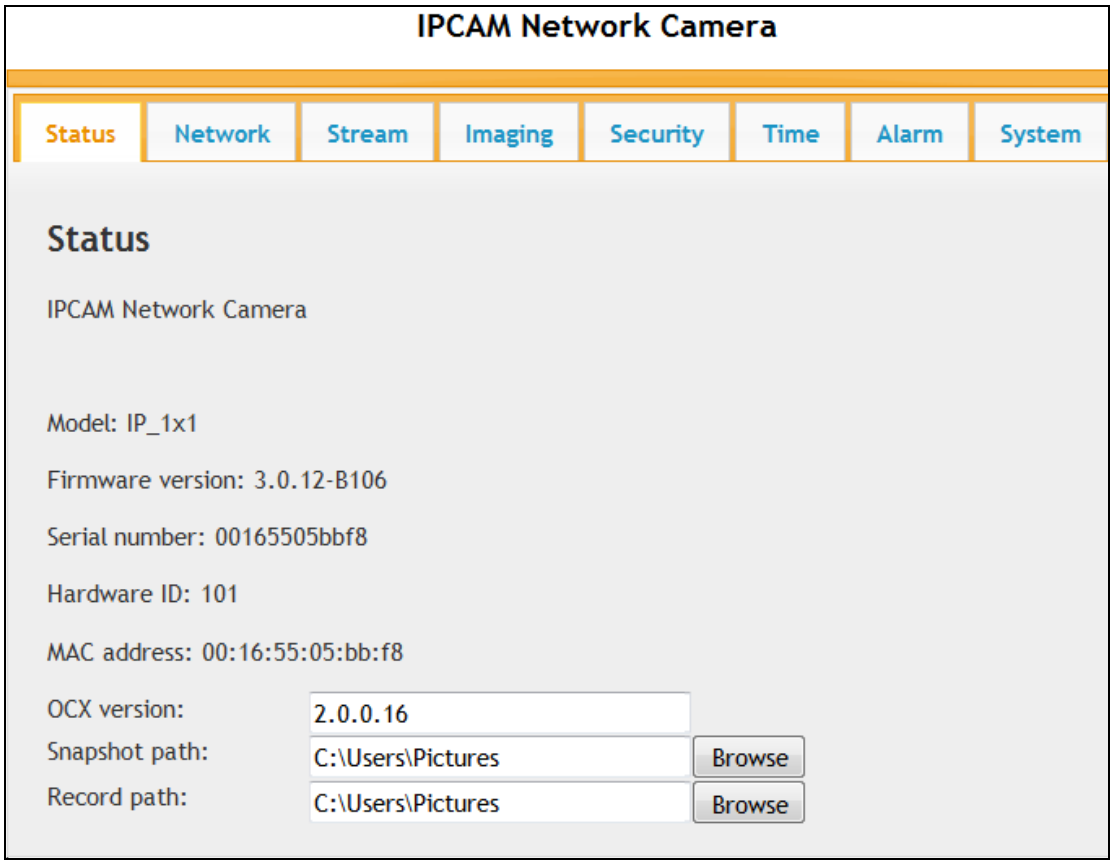
(Record): Click to record video, it will be saved as AVI automatically in assigned folder, you can change video folder at [Setup-> Status] page.

(Snapshot): Click to shot image, it will be saved as JPG automatically in assigned folder, you can change video folder at [Setup-> Status] page.

Setup

4.1 Status

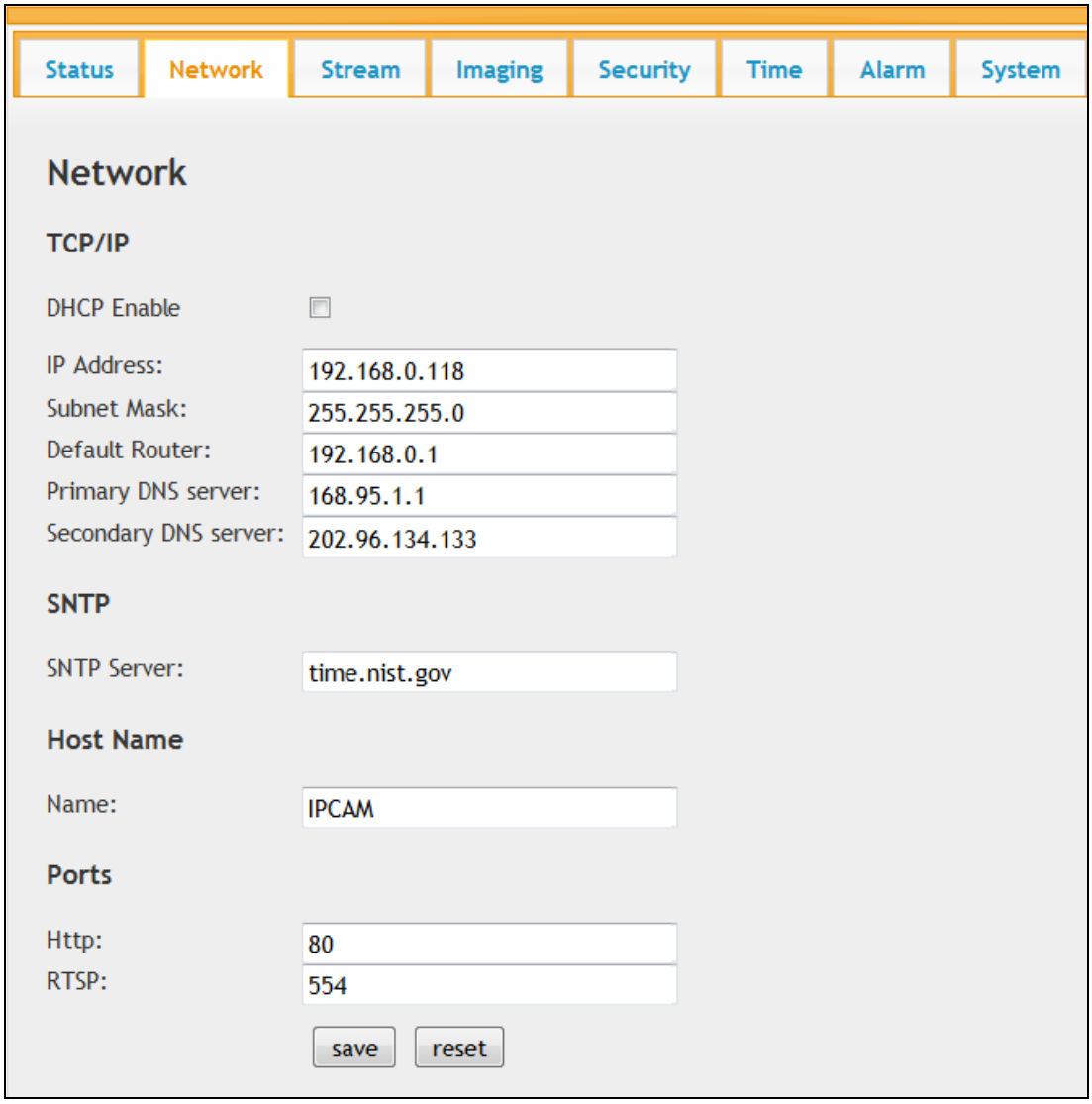
It displays hardware and firmware version of IP Camera.



Snapshot path: Click Browse button to select a folder for image snapshot.

Record path: Click Browse button to select a folder for saving AVI video.

4.2 Network



TCP/IP: There are two types of IP network settings, if there is a DHCP server or broad band router setup in your IP network, you may set it to be DHCP. If you set up a NVR(Network Video Recorder) to recording IP Camera's video, it is better set IP type to be "Static IP".

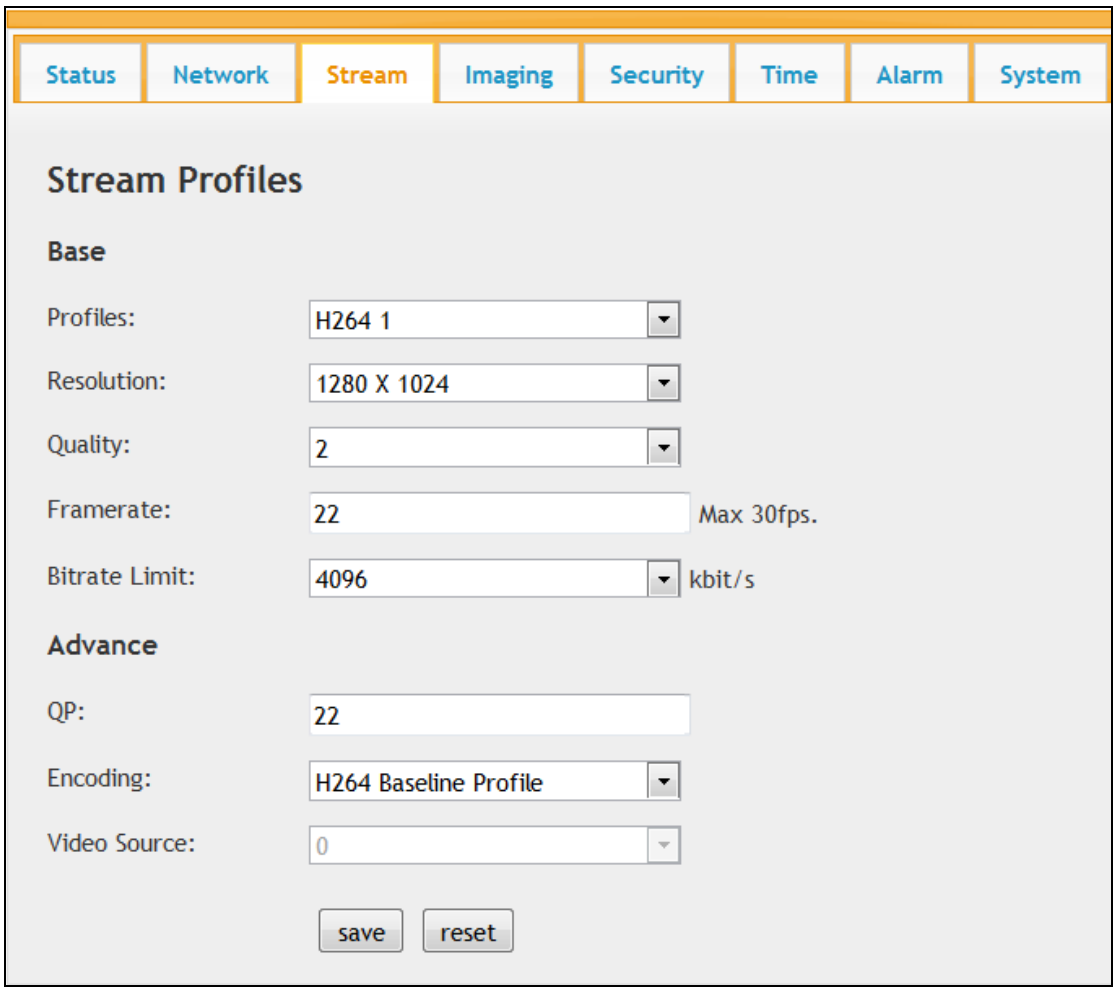
SNTP Server: Enter IP or FQDN of an SNTP server.

Host Name: Type the camera title.

HTTP: You can change listen port of WEB GUI.

RTSP: You can change listen port of RTSP.

4.3 Stream



In this page you can set parameters for Video Stream.

Profiles: IP Camera supports dual video streams, select a draw down item to set video parameters. Usually, the 1st stream is set to be high resolution for main monitoring, and 2nd stream is set to be low resolution for multi channels displayed on a screen monitor.

Resolution: Select the required image resolution for the streams.

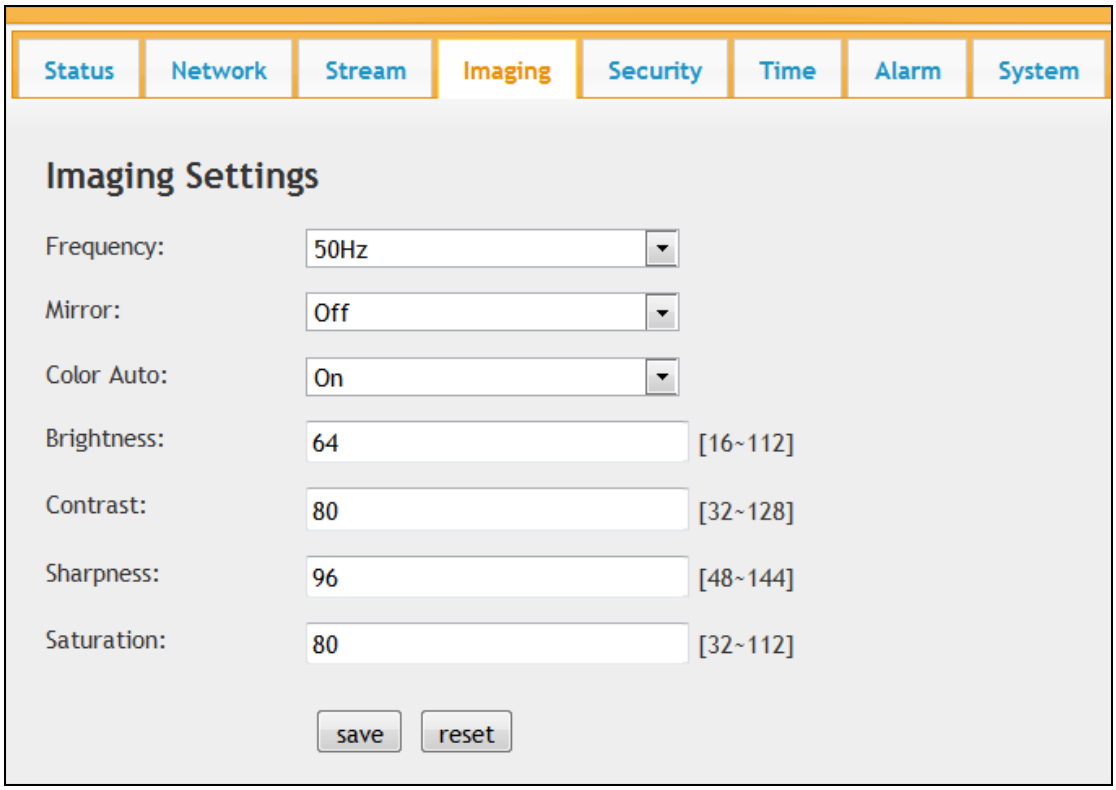
Quality: Select the quality you preferred, the higher you select the more bandwidth/storage capacity it takes.

Framerate: Select the framerate, the higher you select the more smooth video it displays and bandwidth/storage capacity it takes.

Bitrate Limit: Select the maximum bit rate for this stream.

QP: Quantization Parameter (0- 51). The higher QP value the lower image data encoded ad less bandwidth/storage capacity it takes.

4.4 Imaging



Frequency: Select one of the following options of the Flicker device:

◎ NTSC/60Hz : This will compensate for 60Hz flicker and will put the display if selected to NTSC mode.

◎ PAL/50Hz : This will compensate for 50Hz flicker and will put the display if selected to PAL mode.

Mirror: Select the required option

◎ OFF

◎ Mirror: Flips the data in horizontal direction.

◎ Flip: Flips the data in vertical direction.

◎ Mirror and Flip: Flips the data in both directions, equivalent to 180 rotation.

Color Auto: IP Camera will turn to be mono (black and white) mode in low light condition when this parameter is set to be On.

Brightness: Select the required brightness level that ranges from 16 to 112. A brighter scene appears, if you choose higher level of brightness.

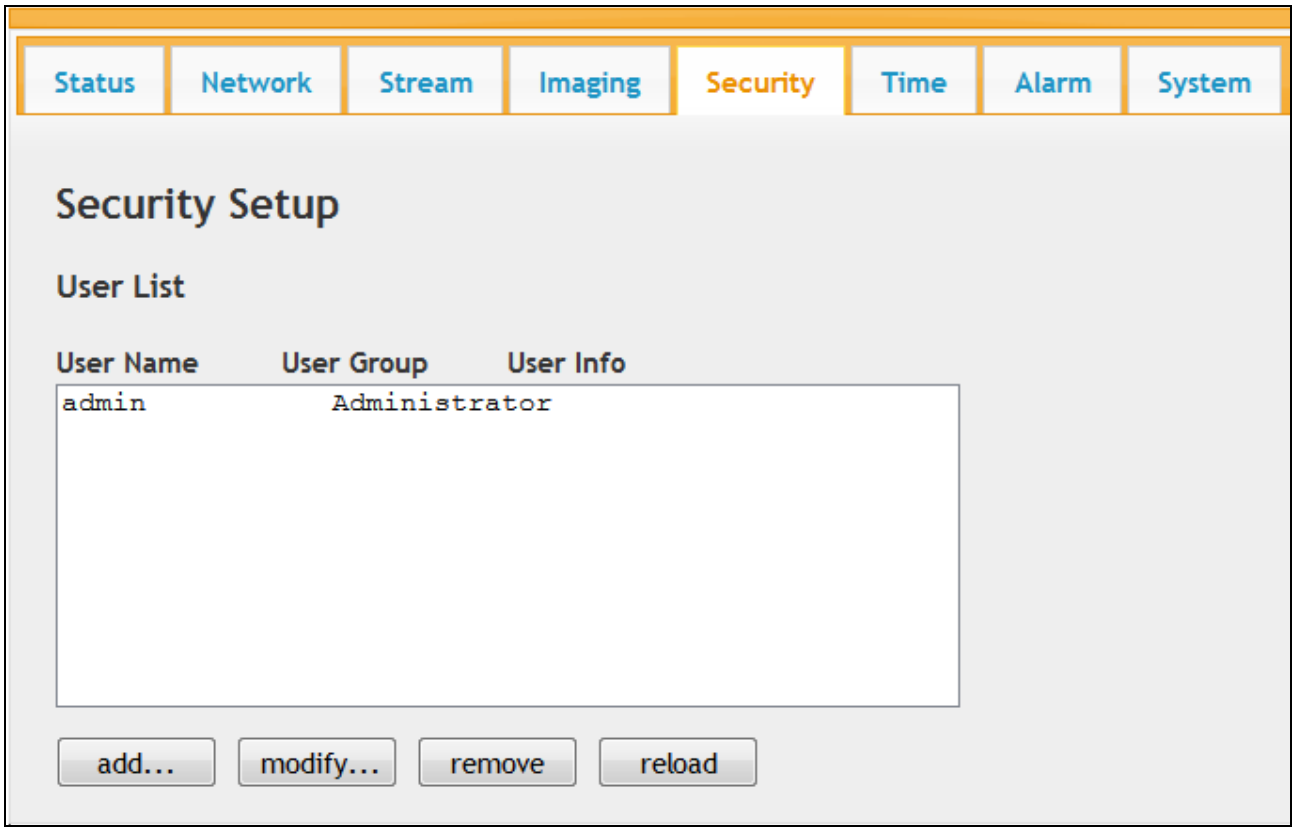
Contrast: Select the required range. The range available is between 32 to 128.

Sharpness: Select the required range of sharpness. The range available is between 48 to 144.

Saturation: Select the required saturation level that ranges from 32 to 112. A vivid scene appears, if you choose a higher level of saturation.

4.5 Security

There are three operating levels when entering the Web UI. Logging-in as the admin allows you to change all settings.

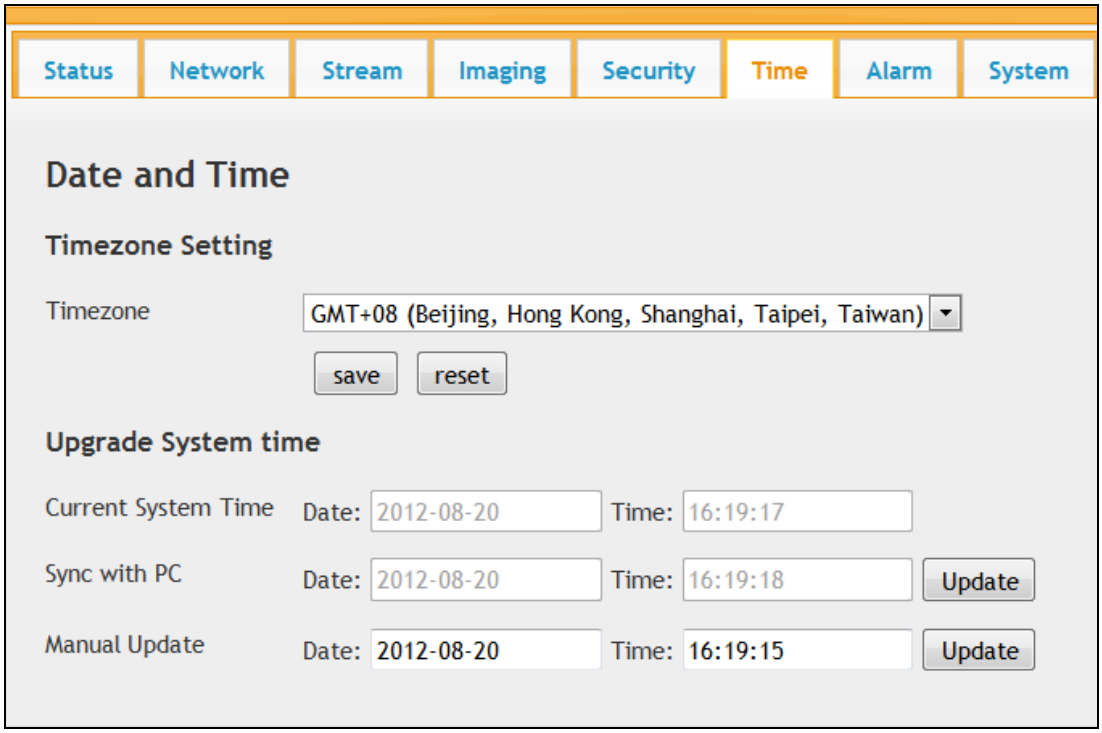


Administrator: You can operate all functions in Web interface.

Operator: You can operate all functions in Web interface except User Account.

Anonymous: You can only monitor the Web interface, but cannot operate all function and set parameters.

4.6 Time



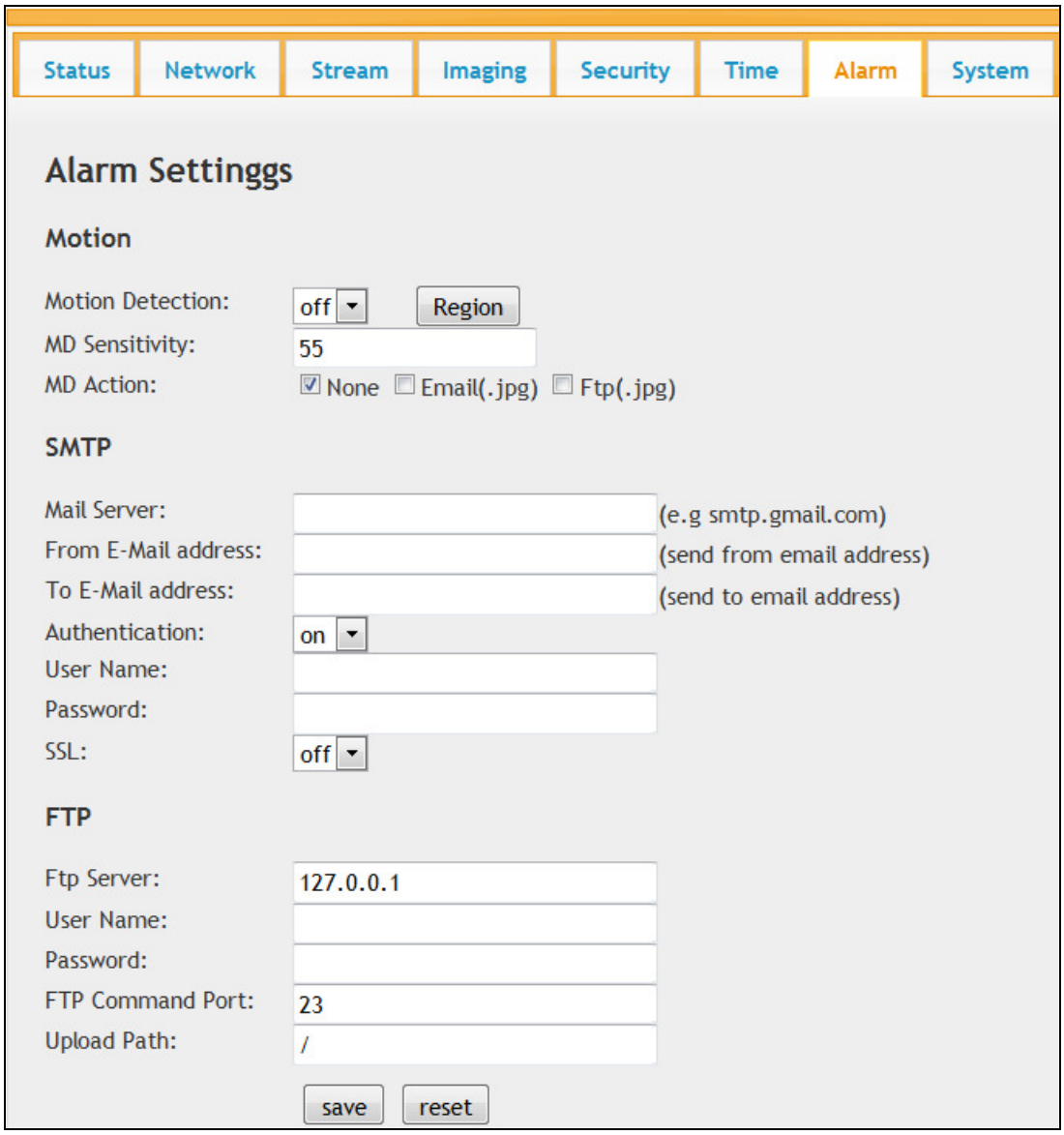
Timezone: Select the required time zone from the drop-down list. If this is not done, the time given by the unit may be incorrect. Please set a connectable Time Server at [Network] page.

Current System Time: It displays current time on IP Camera.

Sync with PC: It displays current time on your computer, click Update button to sync time with your computer.

Manual Update: Enter date and time manually then click Update button sync IP Camera's time.

4.7 Alarm

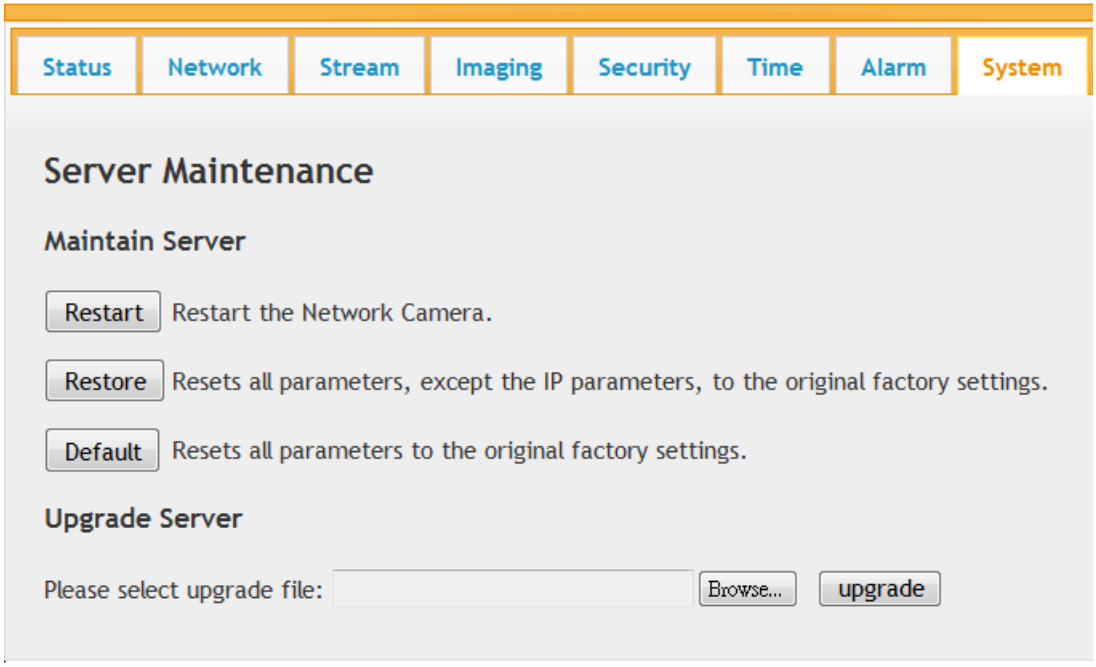


Motion Detection: Set it to make MD active, click [Region] button to edit detecting areas.
MD Sensitivity: the higher value you set the more sensitivity for camera.

MD Action: Select which action to execute when MD triggered. IP Camera may send an e-mail which attached snapshot in JPEG format or upload this file to FTP server.

Note: Before setting all the parameters, please build FTP or SMTP server in advance. For more information about the settings, you can consult a qualified IT professional or your ISP.

4.8 System



Restart: Restart the Network Camera.

Restore: Resets all parameters, except the IP parameters, to the original factory settings.

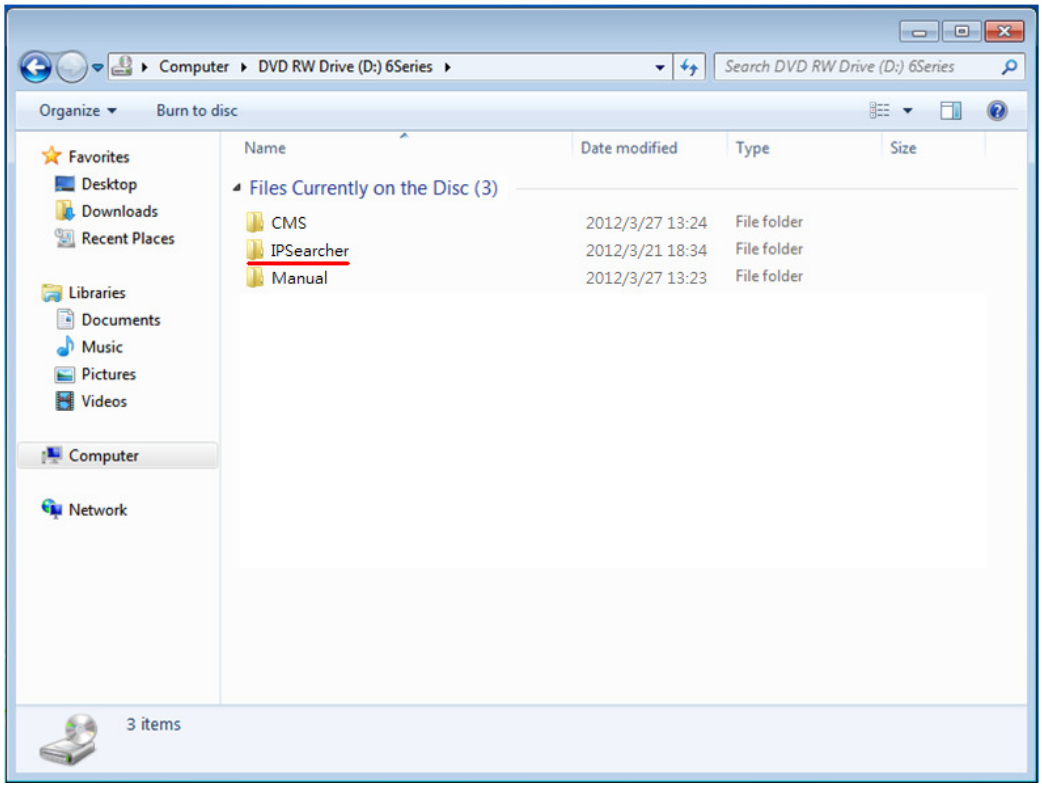
Default: Resets all parameters to the original factory settings.

Upgrade: Please select a firmware then click [Update] button to upload firmware. During the upgrade process please don't click on any other button or don't try changing camera setting, this may lead camera to abort upgrade process and subsequent reboot will result in undesired behavior.

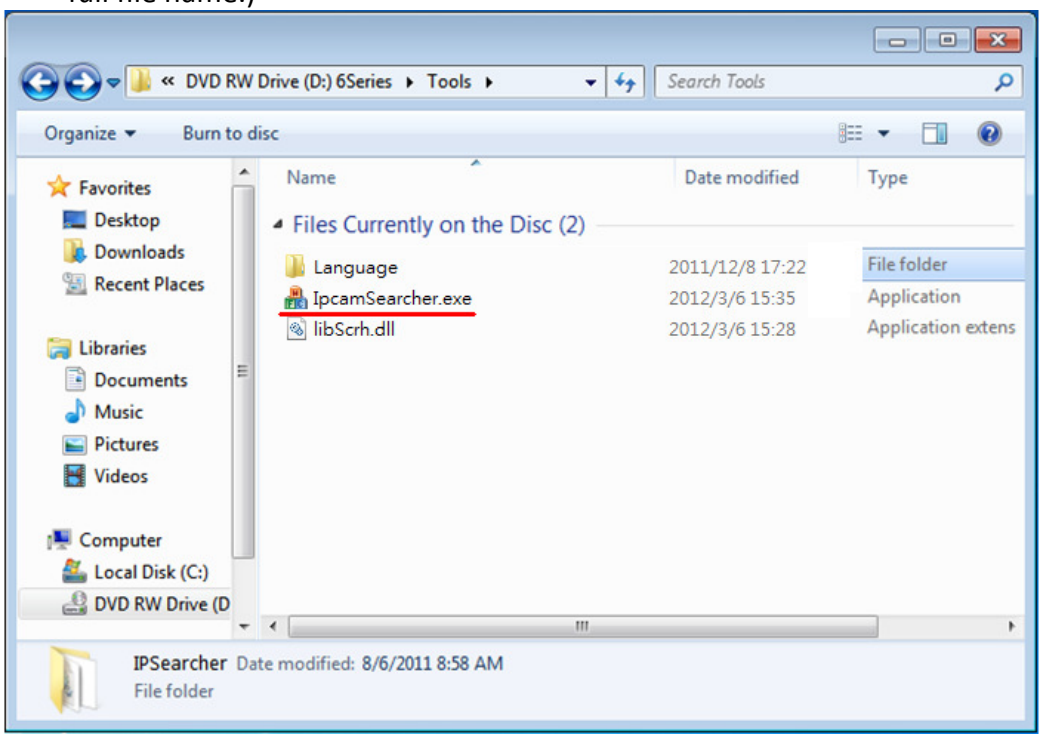
Appendix A – IPSearcher for searching IP Camera on LAN

There is a tool which can running on a computer to search IP Camera in local area network. It allows you to change IP Camera's IP address much easier.

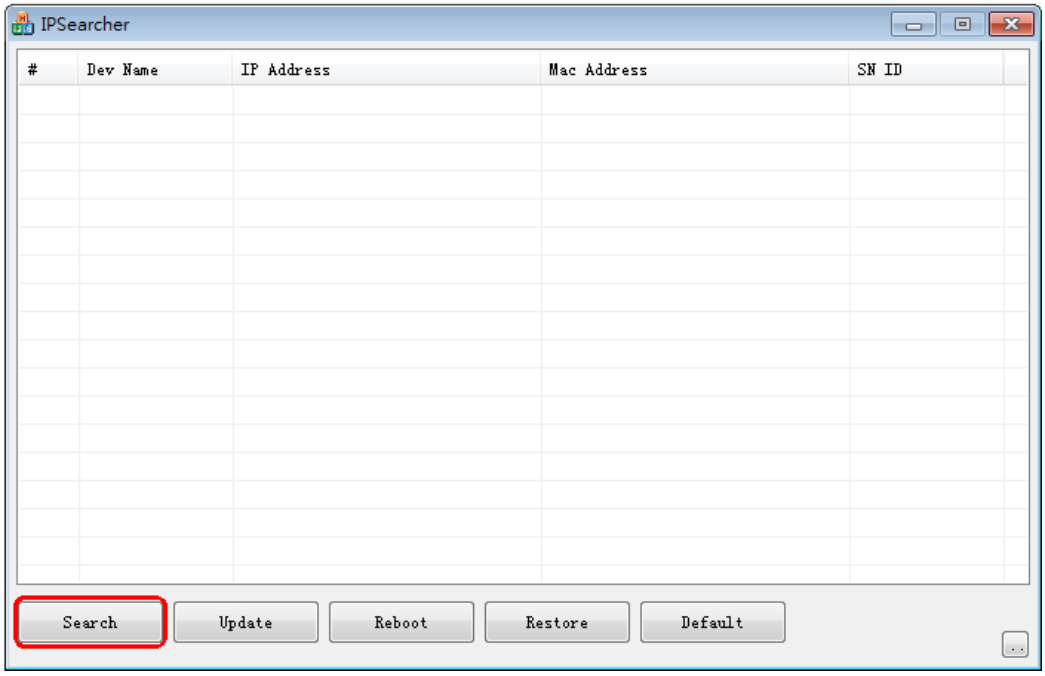
■ Double click [IPSearcher].



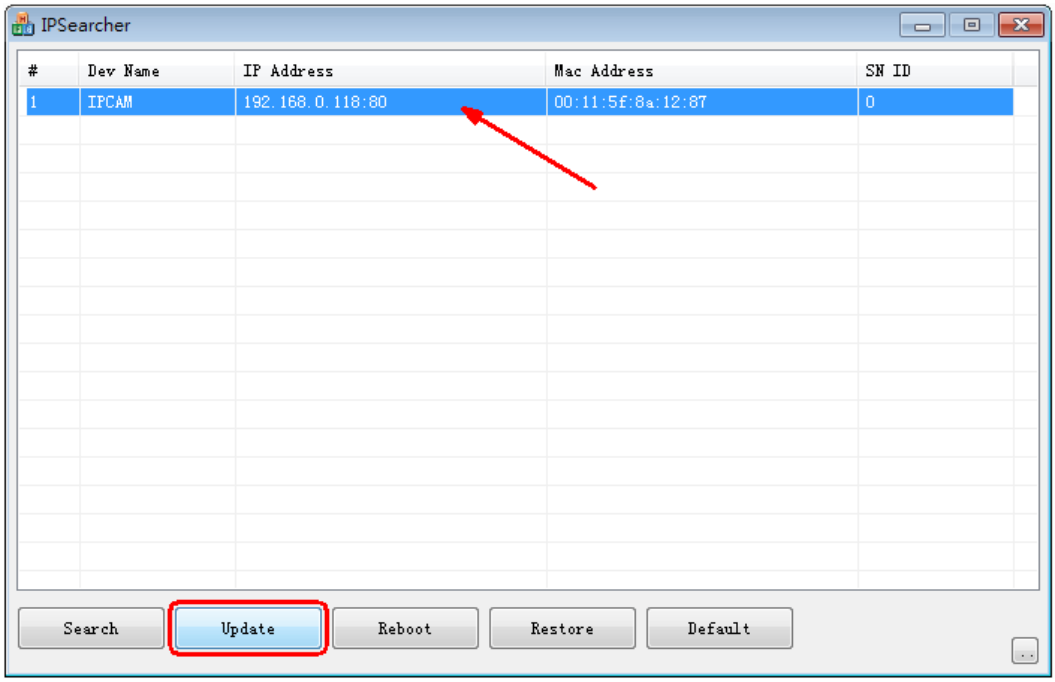
■ Running [IPCamSearcher] (It may show “IPCamSearcher.exe” if your Windows® displays full file name.)



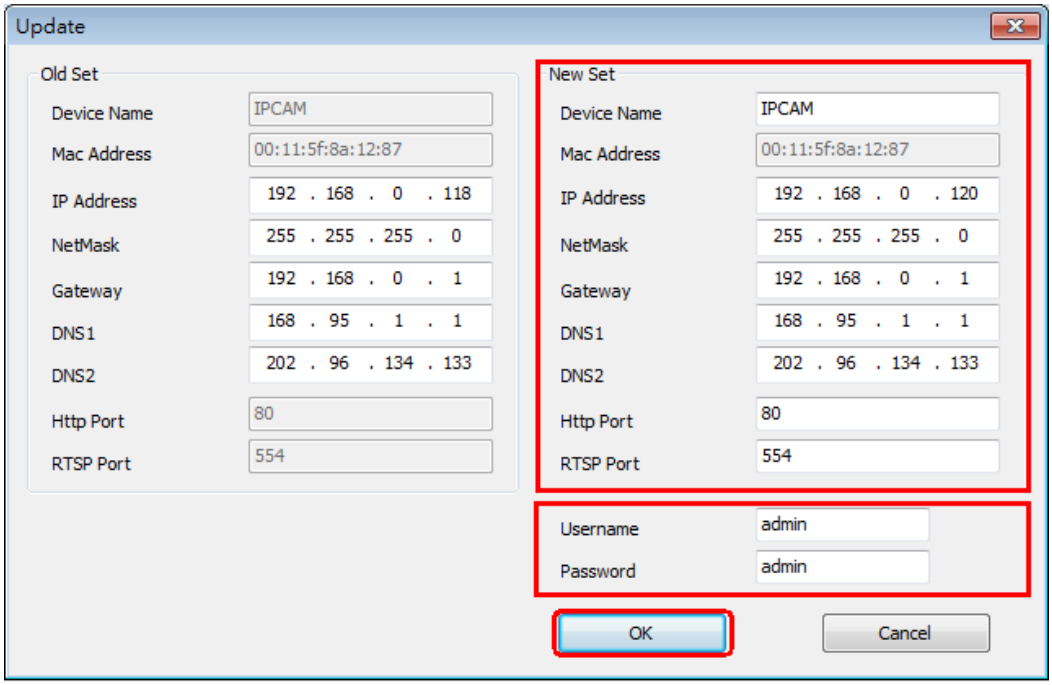
■ Click [Search]



- It displays searched device(s) in 5-10 seconds, please select an IP Camera then click [Update].



- Enter User Name and Password then enter new IP, Netmask and Gateway. (The default User Name is “admin”, Password is “admin”)
- Press OK then open a browser for connecting to this IP Camera.


Update
Old Set
Device Name IPCAM
Mac Address 00:11:5f:8a:12:87
IP Address 192 . 168 . 0 . 118
NetMask 255 . 255 . 255 . 0
Gateway 192 . 168 . 0 . 1
DNS1 168 . 95 . 1 . 1
DNS2 202 . 96 . 134 . 133
Http Port 80
RTSP Port 554
New Set
Device Name IPCAM
Mac Address 00:11:5f:8a:12:87
IP Address 192 . 168 . 0 . 120
NetMask 255 . 255 . 255 . 0
Gateway 192 . 168 . 0 . 1
DNS1 168 . 95 . 1 . 1
DNS2 202 . 96 . 134 . 133
Http Port 80
RTSP Port 554
Username admin
Password admin
OK
Cancel